

M 5.4, 23 km NE of Falam, Myanmar

Origin Time: 2022-01-21 10:12:31 UTC (Fri 16:42:31 local)

Location: 23.0871° N 93.8172° E Depth: 59.0 km

Created: 3 weeks, 6 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

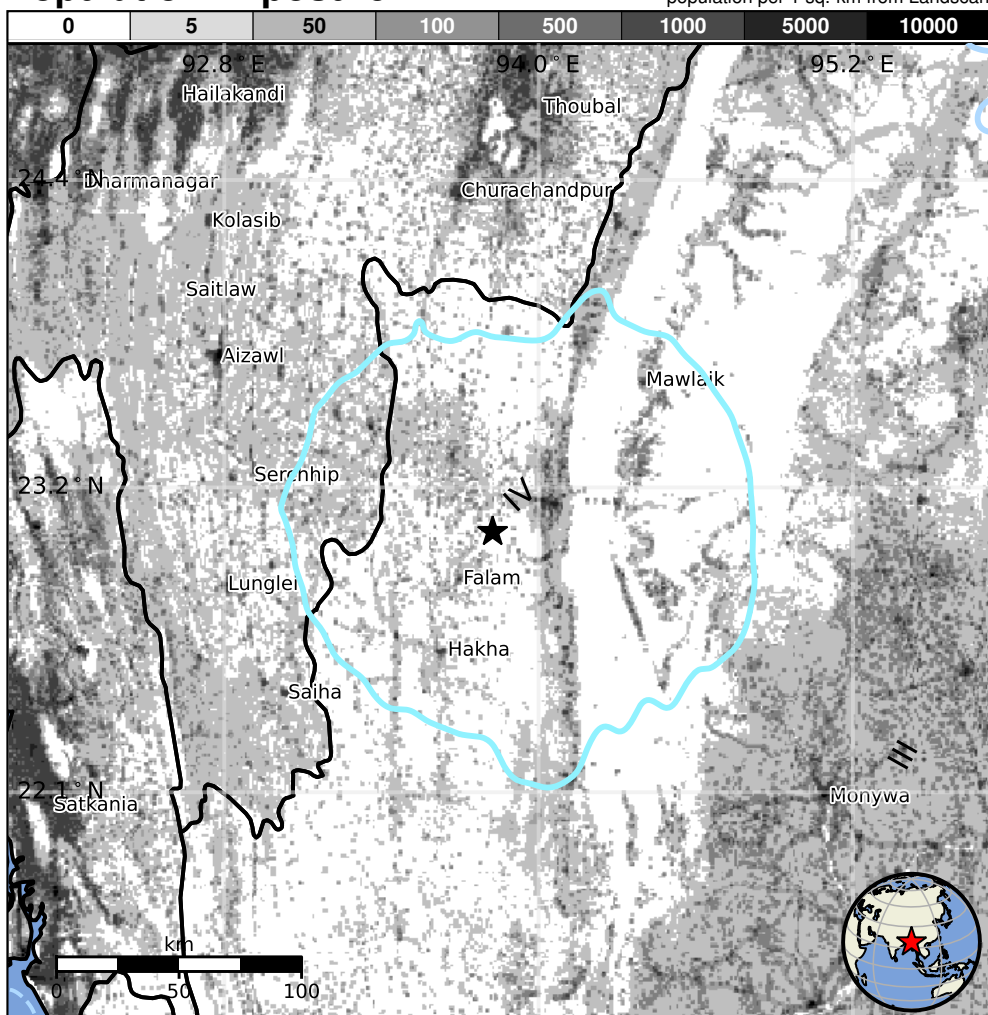


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	22,710k	1,308k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block with wood and rubble/field stone masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1988-02-06	292	5.8	VII(866k)	2
2003-07-26	155	5.6	VII(96k)	2
1984-12-30	201	6.0	IX(4k)	20

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Falam	5k
IV	Hakha	20k
IV	North Vanlaiphai	3k
IV	Mawlaik	45k
IV	Khawhai	3k
III	Lunglei	53k
III	Aizawl	265k
III	Monywa	182k
III	Imphal	224k
III	Silchar	152k
III	Cox's Bazar	254k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000gdtu#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000gdtu